



**Massachusetts Bay  
Transportation Authority**

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**MBTA General Engineering Contract No. ENMPS06**

**Engineering Services for the Engineering and Maintenance  
Department**

**February 25, 2019**



## OVERVIEW

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Today's board action will allow for the award of MBTA Contract No. ENMPS06: General Engineering Consulting for Engineering Services for the Engineering and Maintenance Department to Network Rail Consulting (NRC).



## Background

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The Engineering and Maintenance Department of the MBTA is a mission critical 24/7 department made up of Power, Signals & Communications, Track and Buildings and Structures. These department areas are key for which the MBTA delivers a safe, reliable and efficient service to its customer base.

The ENMPS06 GEC will be utilized for specialized engineering services to aid the achievement of operational improvements within the Engineering and Maintenance Department as well as several key stakeholder areas outside the department.

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## Procurement

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The procurement was consistent with a Qualifications Based Selection Process as required by the Federal Brooks Act. Statements of Qualifications were received from nine (9) teams. The following four teams were shortlisted based on the Statement of Qualifications submitted: HNTB, Jacobs, Network Rail Consulting, and WSP. These teams were invited to submit proposals and make subsequent presentations to the Selection Committee.

The results were as follows:

Firm	Final Rank
HNTB Corp.	2
Jacobs Engineering Grp.	3
Network Rail Consulting	1
WSP USA Inc.	4

A red oval highlights the row for Network Rail Consulting. A red arrow points from this oval to a callout box containing the text: "New GEC provider to the MBTA".

The DBE requirement for this contract is set at 12% of the contract value

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## Scope of Services

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The scope of services outlines a menu of tasks for the MBTA and Network Rail Consulting (NRC) to work on to understand and control Operations and Maintenance of the Authority's infrastructure assets. In addition the scope calls for developing, planning, and executing identified and agreed upon improvement actions to reengineer Engineering and Maintenance to sustain and evolve the department to make better decisions using validated data and ultimately manage operational assets to a State of Good Repair.

The *discipline-specific* scopes of work to include, but not be limited to, the following services:

- Inspections & inspection competence
- Maintenance / repair work delivery
- Work management, planning, and control
- Asset performance (including fault reporting), Engineering & Assurance
- Renewal forecasting

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## **Request of the Fiscal and Management Control Board**

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Staff request that the Fiscal and Management Control Board authorize the MBTA General Manager and CEO, or his designee, to execute MBTA Contract ENMPS06: Engineering Services for the Engineering and Maintenance Department for an amount not to exceed \$15,000,000.